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said method comprising:
constituting the stream data by one or more of the data units;
constituting each of the data units by one or more of the data packets, at least one of
the data packets having predetermined time stamp information;
constituting the management information including information indicating an arrival
time of a first packet of one of the data units; and
recording the stream data in the data area and the management information in the
management area of the information medium.

21. (Amended) A method according to claim 20, further comprising:
recording, in the management area, at least a time difference value corresponding to a
difference between a first time stamp recorded in a first data unit and a second time stamp
recorded in a second data unit, said first and second data units being included in the plurality
of said data units.

22. (Amended) A method according to claim 21, further comprising:
determining the time difference value by rounding to a predetermined number of
effective digits a difference between a time information value corresponding to the second
time stamp and a time information value corresponding to the first time stamp.

23. (Amended) A method according to claim 21, further comprising:
computing the time difference value using a value of the first time stamp recorded in a
first one of the data packets located in each of the data units.

24. (Amended) A method according to claim 21, further comprising:
recording a time stamp in one of the data packets at an end of a last one of the data
units included in the stream data indicating an arrival time of a last one of the data packets in
the last one of the data units; and

computing the time difference value using the arrival time of the last one of the data packets.

25. (Amended) A information medium containing data structures for recording stream data using data packets and data units, comprising:

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a data structure stored in said memory including,
one or more of the data units included in the stream data, each one of the data units including one or more data packets configured to record time stamp information, and management information including information indicating an arrival time of a first packet of one of the data units, wherein,

said information medium has a data area for recording the stream data using the one or more data packets, one of the data units being larger than the one or more data packets, and a management area for recording management information, and

said data structure includes a stream object formed of the stream data, including at least one first data unit, at least one second data unit having the at least one first data unit, and at least one third data unit having the at least one second data unit.

✓ Please add new Claims 30 and 31 as follows.

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30. (New) An information recording apparatus using an information medium which has a data area for recording stream data using data packets and data units, each of the data units being larger than the data packets, and a management area for recording management information, a data structure stored on said information medium including,

a stream object, formed of the stream data, including at least one first data unit, at least one second data unit having the at least one first data unit, and at least one third data unit having the at least one second data unit, the at least one third data unit storing header information relating to the at least one first data unit in the at least one third data unit,

said apparatus comprising:

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a receiver block configured to receive the stream data with said data structure; and
a recorder block configured to record the stream data, received by said receiver block,
on the information medium.

31. (New) An information reproducing apparatus using an information medium
which has a data area for recording stream data using data packets and data unit, each of the
data units being larger than the data packets, and a management area for recording
management information, a data structure stored on said information medium including,
a stream object, formed of the stream data, including at least one first data unit, at
least one second data unit having the at least one first data unit, and at least one third data unit
having the at least one second data unit, the at least one third data unit storing header
information relating to the at least one first data unit in the at least one third data unit,
said apparatus comprising:
a reproducer block configured to reproduce the stream data with said data structure
from the information medium; and
a decoder block configured to decode the stream data reproduced by said reproducer
block.

REMARKS

Favorable reconsideration of this application, as presently amended and in light of the
following discussion, is respectfully requested.

Claims 20-31 are presently active; Claims 20-25 having been amended, and Claims 30
and 31 having been added by way of the present amendment. Support for amended Claim 20
and for new Claims 30 and 31 can be found at least from page 13, line 13, to page 21, line 18,
and in Figure 1 of Applicants' specification. No new matter has been added by the present
amendment.